

6 a rotor rotatably mounted to the housing end walls so that the rotor can
7 rotate about said axis within the winding;
8 a first shaft extending from said first wall along said axis;
9 a second shaft extending from said rotor along said axis away from the
10 first shaft and through said second wall;
11 a pinion at the end of the second shaft outside the housing;
12 a plurality of planet gears rotatably mounted to said second end wall out-
13 side the housing, said planet gears being in meshing engagement with the pinion;
14 a third shaft;
15 means for connecting the third shaft to the second end wall so that the
16 third shaft is rotatably fixed to the first shaft and extends along said axis away from said
17 first and second shafts such that all said ~~shaft~~^{shafts} are collinear but separate from one another;
18 a hub enclosing said housing and said planet gears, said hub having first
19 and second end walls rotatably receiving said first and third shafts respectively and a side
20 wall extending between the first and second end walls, said hub side wall being spaced
21 from the housing side wall by a relatively narrow gap;
22 a ring gear formed in the [housing interior surface] hub opposite the planet
23 gears, said ring gear being in meshing engagement with the planet gears so that when an
24 electric current is applied to the stator winding, the rotor rotates relative to the first and
25 third shafts at a selected speed and the hub rotates relative to the first and third shafts at a
26 lesser speed.

Rule 1.126 31.32 (Amended) The assembly defined in claim ²⁷28 wherein

A2 2 the hub has first and second end walls and a side wall extending between
3 said end walls, and B
4 one of said end walls covers the third shaft.

Please insert new claims as follows:

Sub. B2 Rule 1.126 A3 37 38. A motorized wheel hub assembly comprising
2 a sealed motor section having first and second end walls and a side wall
3 extending between the end walls, a first shaft extending from the first end wall and a ro-
4 tary second shaft extending from the second end wall coaxial to the first shaft, and
5 a gear reduction section adjacent to the second end wall, said gear reduc-
6 tion section including a pinion at the end of the rotary shaft, a gear support connected to
7 the second end wall, a plurality of planet gears rotatably mounted between the second end
8 wall and the gear support in meshing engagement with the pinion, a hub having an inte-
9 rior surface closely surrounding the motor section and planet gears and being rotatably
10 coupled to the first shaft, and a ring gear formed at the interior of the hub in meshing en-
11 gagement with the planet gear so that when the second shaft rotates at a selected speed,
12 the hub rotates relative to the first shaft at a lesser speed.

B 38 39. The assembly defined in claim ³⁷38 where only the first shaft projects from the hub.

B 39
40. The assembly defined in claim 38 and further including means for introducing a
thermally conductive liquid into the hub so that when the hub rotates, the liquid is circu-
lated within the hub so that heat generated within the motor section is conducted by the
liquid to the hub and thence to the outside.

rule 1 26 B 40
41. The assembly defined in claim 39 wherein
the hub has first and second end walls and a side wall extending between said end
walls, and
said gear support is rotatably supported by the hub second end wall.

B 41
42. The assembly defined in claim 41 wherein the hub second end wall covers said
gear support.

REMARKS

We are enclosing formal drawings (7 sheets) to replace the informal ones filed
with the application.

Claims 1 to 37 (not 36) are in the application, of which claims 15, 16, 20, 21 and
28 to 36 (now 37) are objected to only on formal grounds.

Referring to paragraph 5 of the action, claim 1 has been amended to specify that
the ring gear is formed in the side wall of the hub. Accordingly, claim 1 and the claims
dependent thereon now conform to 35 U.S.C. 112.